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# Ping Pan: Papers, Drafts and Talks

## Ph.D. Thesis:

**"On Scalable Resource Reservation Signaling in the Internet"**, Ping Pan, Columbia University, *under submission*, March 2001.

## Papers:

**"Do We Need Resource Reservation?"**, P. Pan and H. Schulzrinne, *under submission*, March 2001. [[Abstract](#)]

**"Processing Overhead Studies in Resource Reservation Protocols"**, P. Pan, and H. Schulzrinne, *17th. International Teletraffic Congress (ITC)*, Salvador, Brazil, September 24-28, 2001. [[Abstract](#)] [[PostScript](#)] [[PDF](#)]. A longer version was published as *Bell Labs Technical Memorandum 10009669-03*, July 2000. [[PostScript](#)] [[PDF](#)].

**"PF\_IPOPTION: A Kernel Extension for IP Option Packet Processing"**, P. Pan, and H. Schulzrinne, *Bell Labs Technical Memorandum 10009669-02*, June 2000. [[Abstract](#)] [[PostScript](#)] [[PDF](#)]

**"BGRP: A Tree-Based Aggregation Protocol for Inter-domain Reservations"**, P. Pan, E. Hahne, and H. Schulzrinne, *Journal of Communications and Networks*, Vol. 2, No. 2, June 2000, pp. 157-167. [[Abstract](#)] [[PostScript](#)] [[PDF](#)].

**"The Cost of QoS Support in Edge Devices: An Experimental Study"**, R. Guerin, L. Li, S. Nadas, P. Pan, and V. Peris, *Proceedings of INFOCOM'99*, New York, April 1999. [[Abstract](#)] [[PostScript](#)] [[PDF](#)]

**"YESSIR: A Simple Reservation Mechanism for the Internet"**, P. Pan, and H. Schulzrinne, *Computer Communication Review*, Vol. 29, No. 2, April 1999. (This is a minor changed version of the NOSSDA'98 paper). [[On-line](#)]

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**"Staged Refresh Timers for RSVP"**, P. Pan, and H. Schulzrinne, *Proceedings of 2nd Global Internet Conference*, Phoenix, AZ, November 1997. [[Abstract](#)] [[PostScript](#)] [[PDF](#)]. An extended version with detailed processing algorithms is available here [[PostScript](#)] [[PDF](#)].

**"Design and Implementation of a QoS Capable Switch-Router"**, E. Basturk, A. Birman, G. Delp, R. Guerin, R. Haas, S. Kamat, D. Kandlur, P. Pan, D. Pendarakis, R. Rajan, D. Saha, and D. Williams, *Computer Networks*, Vol. 31, No. 1-2, January 1999, pp. 17-30. [[Abstract](#)] [[PostScript](#)] [[PDF](#)]

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Detecting Data Plane Liveliness in RSVP-TE, P. Pan, N. Sheth, D. Cooper, G. Swallow, S. Wadhwa, July 2001.

Graceful Restart Mechanism for RSVP-TE, P. Pan, Y. Rekhter, K. Kompella, F. Liaw, D. Pendarakis, G. Swallow, J. Drake, July 2001.

RFC 2961: RSVP Refresh Overhead Reduction Extensions, L. Berger, D. Gan, G. Swallow, P. Pan, F. Tommasi S. Molendini, April 2001.

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BGRP: A Framework for Scalable Resource Reservation, P. Pan, E. Hahne, H. Schulzrinne, January 2000.

COPS Extension for Intra-Domain Traffic Engineering, P. Pan, B. Suter, June 1999.

RSVP Refresh Reduction Extensions, L. Berger, D. Gan, G. Swallow, P. Pan, June 1999.

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Staged Refresh Timers for RSVP, P. Pan, R. Guerin, and H. Schulzrinne, November 1997

## Selected Talks: (keep it to minimum)

1. **"Carrier Level QoS: Reality, Hype and Future"**, P. Pan, *Columbia IRT Group meeting*, February 2000. [PowerPoint] [PostScript] [PDF]
2. **"BGRP: A Tree-Based Aggregation Protocol for Inter-Domain Reservations"**, P. Pan, E. Hahne, and H. Schulzrinne, *Bell Labs, Networking Research Lab Seminar*, December 1999. [PowerPoint] [PostScript] [PDF]
3. **"COPS Extension for Intra-domain Traffic Engineering"**, P. Pan and B. Suter, R. Dube, *44th IETF TE BOF*, July 1999. [PowerPoint] [PostScript] [PDF]
4. **"RSVP Fast and Reliable Transport"**, P. Pan, *IETF RSVP WG Interim Meeting*, April 1999. [PowerPoint] [PostScript] [PDF]
5. **"DiffServ MIB"**, *43rd IETF DiffServ WG*, December 1998, F. Baker, P. Pan and R. Guerin, December 1998. [PostScript] [PDF]
6. **"Some Issues on Internet Resource Management"**, P. Pan, *Interview Talk in Bell Labs*, November 1998. [PDF]